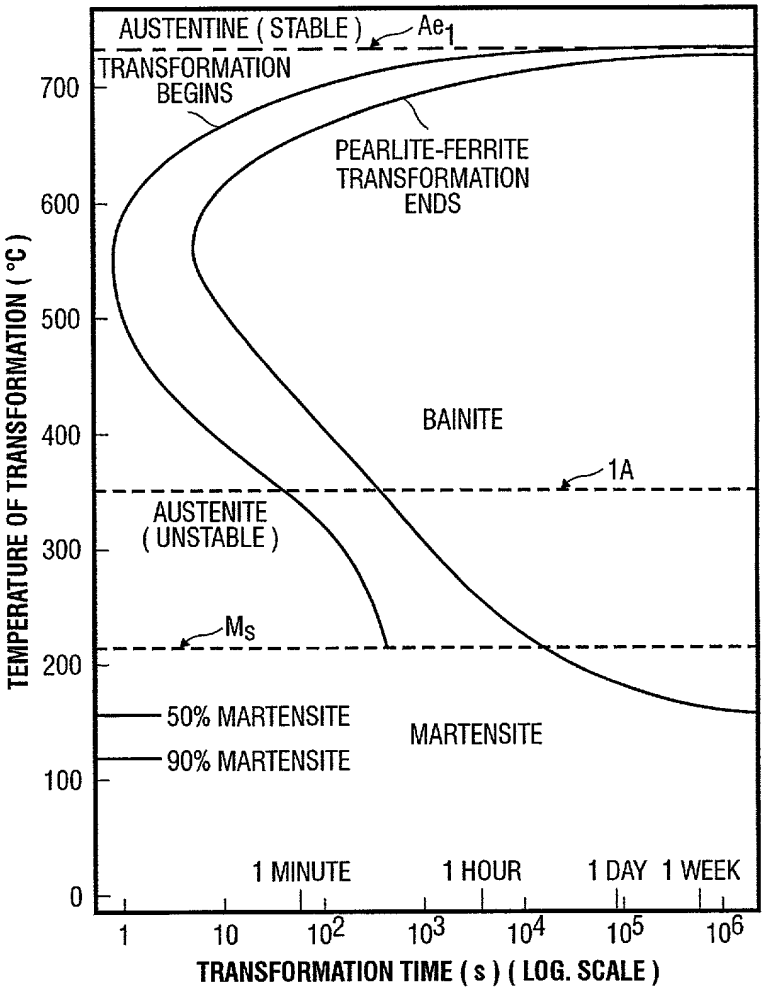


FIG. 1

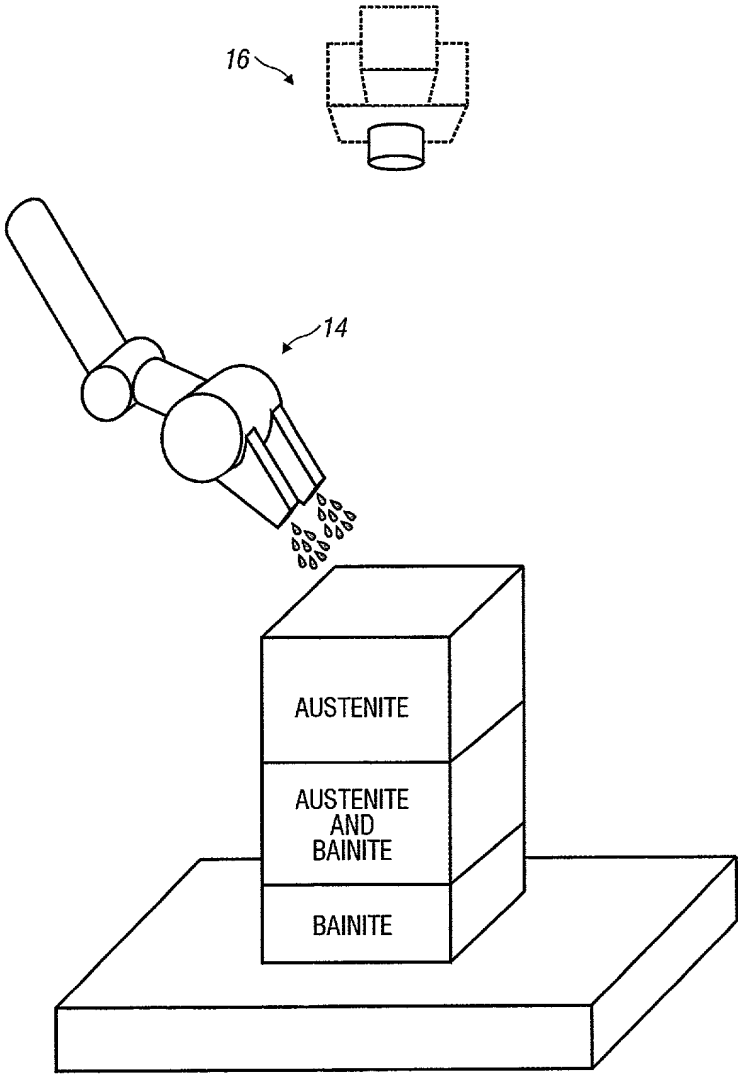


FIG. 1A

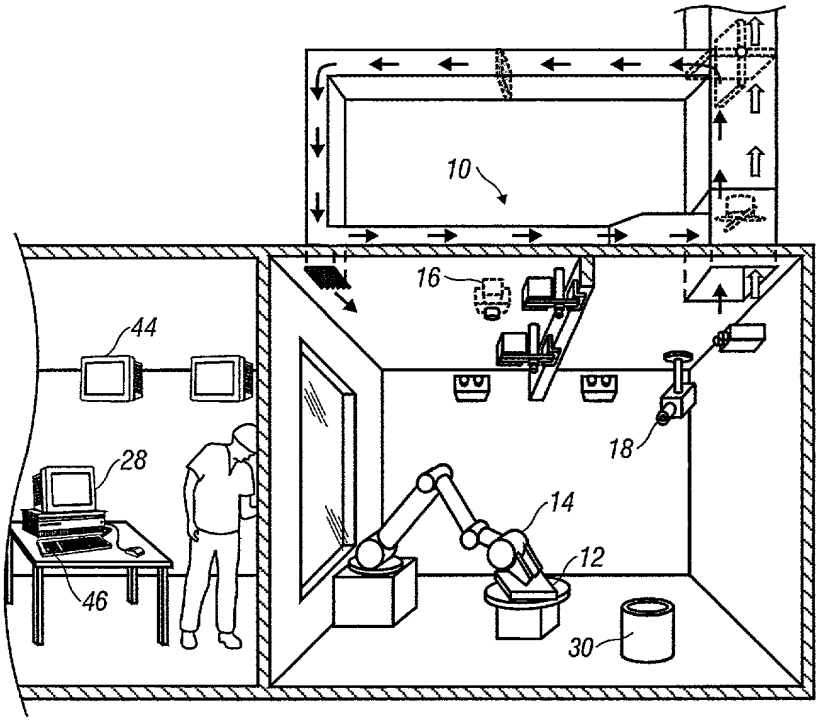
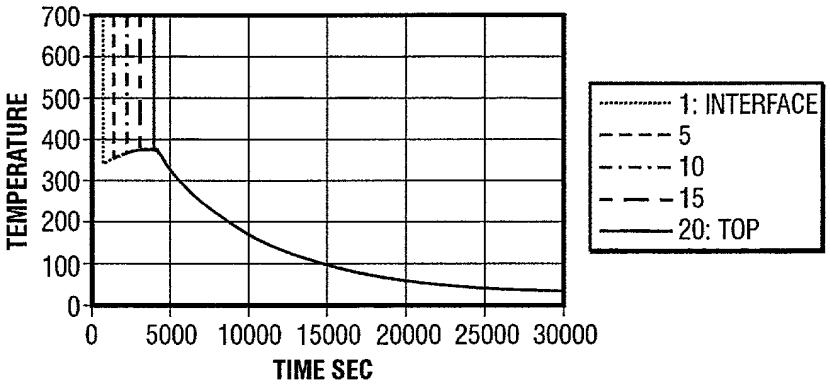
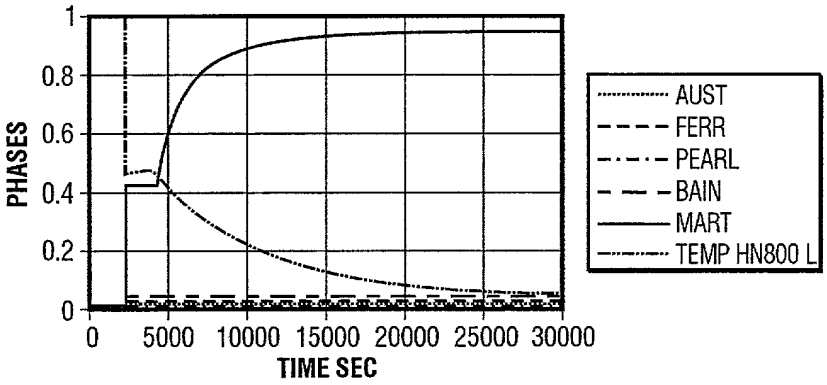


FIG. 2

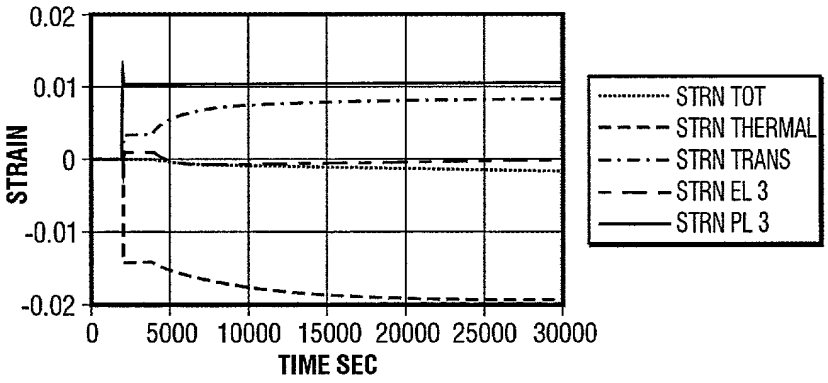


Temperature
FIG. 3



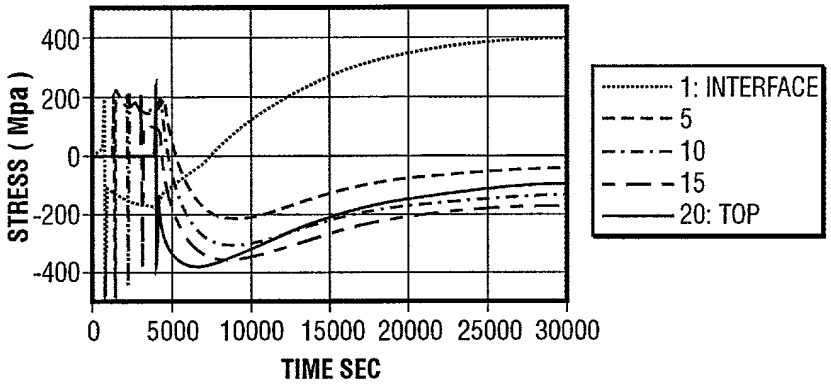
Phases, Position #10

FIG. 4



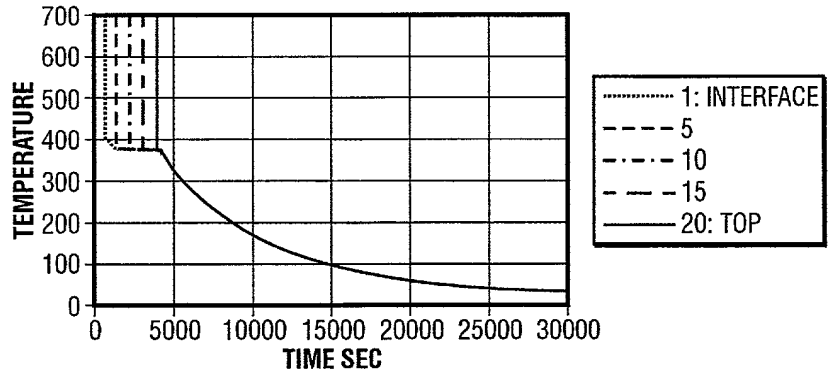
In-Plain Strains, Position #10

FIG. 5



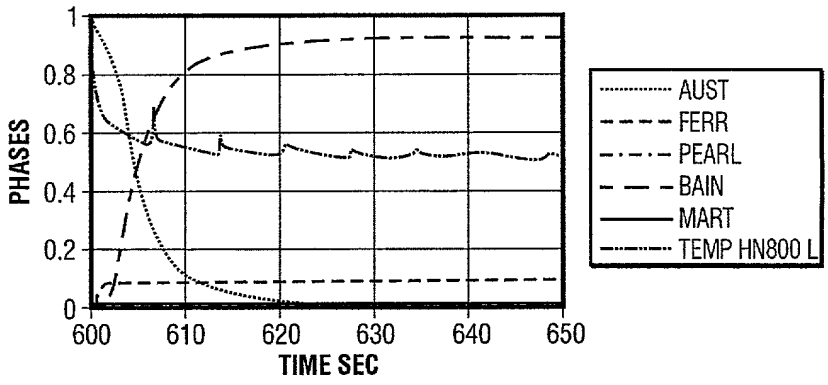
In-Plane Stress

FIG. 6

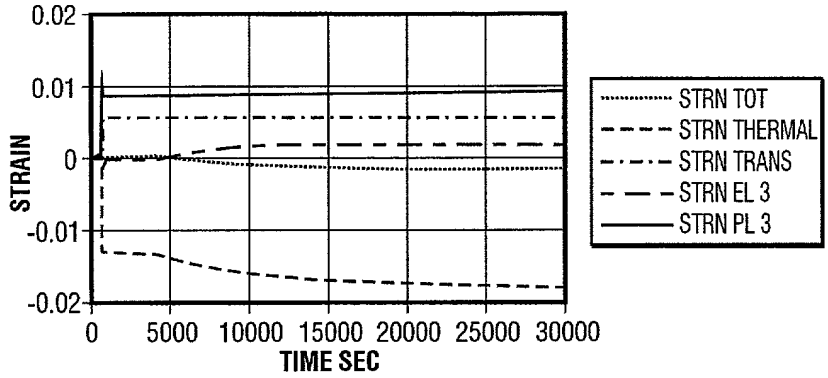


Temperature

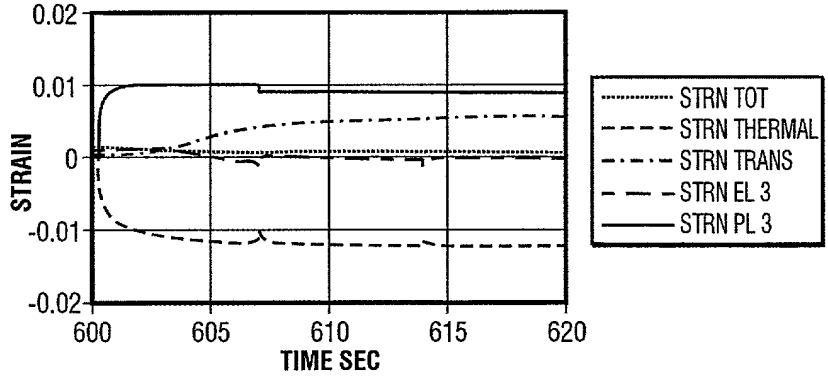
FIG. 7



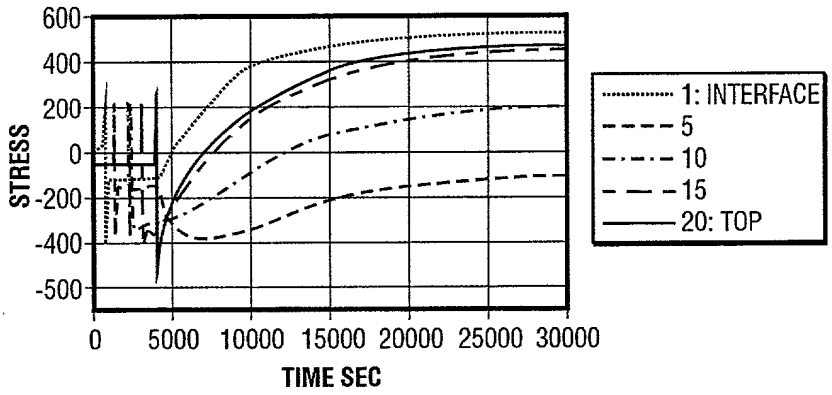
Phases, Position #1
FIG. 8



In-Plain Strains, Position #1
FIG. 9

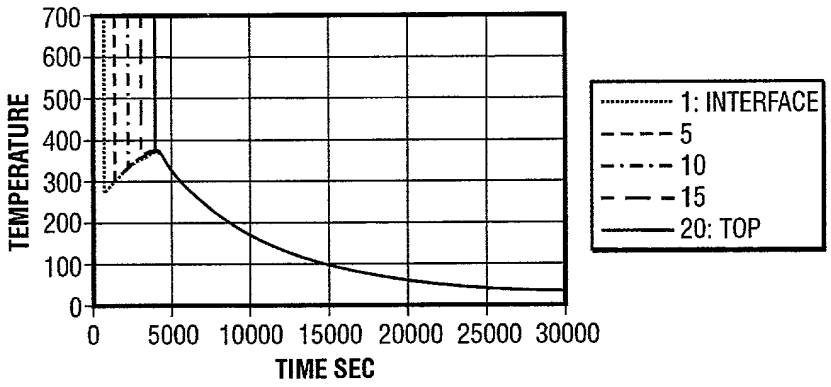


In-Plain Strains, Position #1
FIG. 10



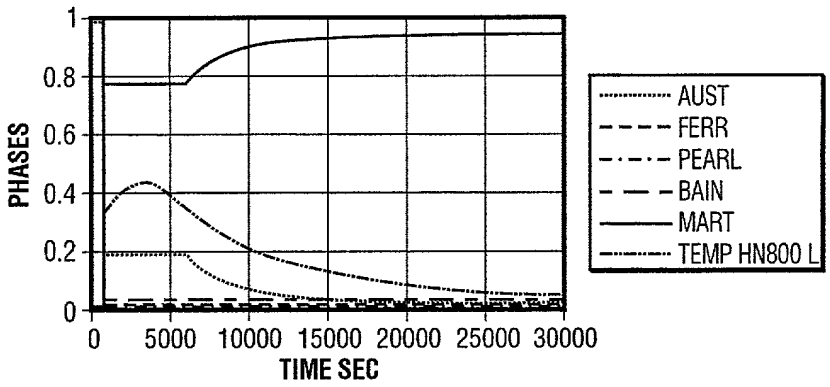
In-Plane Stress

FIG. 11

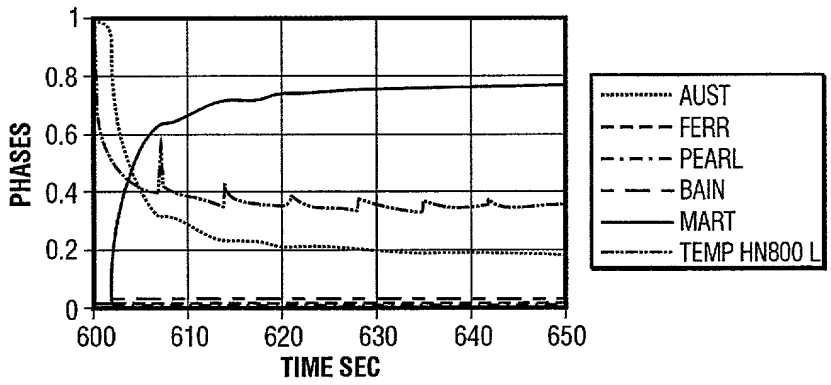


Temperature

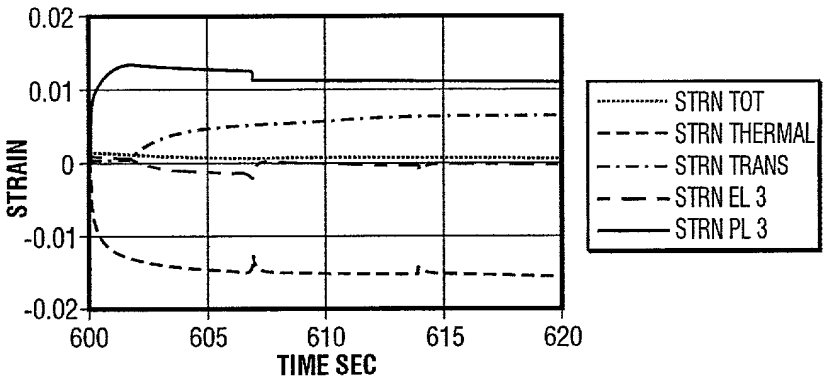
FIG. 12



Phases, Position #1
FIG. 13

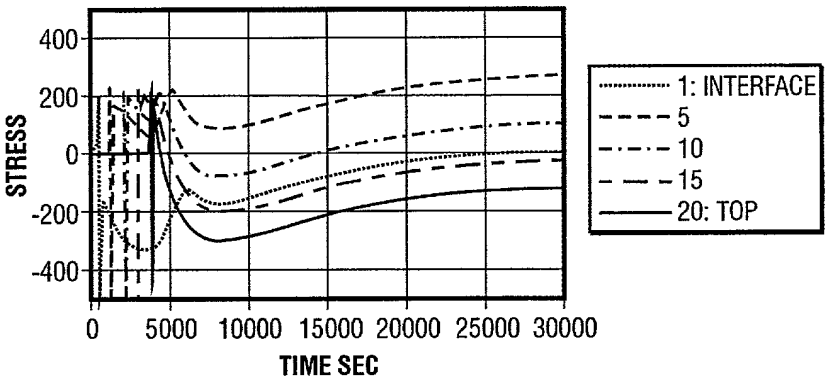


Phases, Position #1
FIG. 14



In-Plain Strains, Position #1

FIG. 15



In-Plane Stress

FIG. 16

WARPAGE IN 0.001 INCH
FOR STEADY-STATE TEMP = 280° C

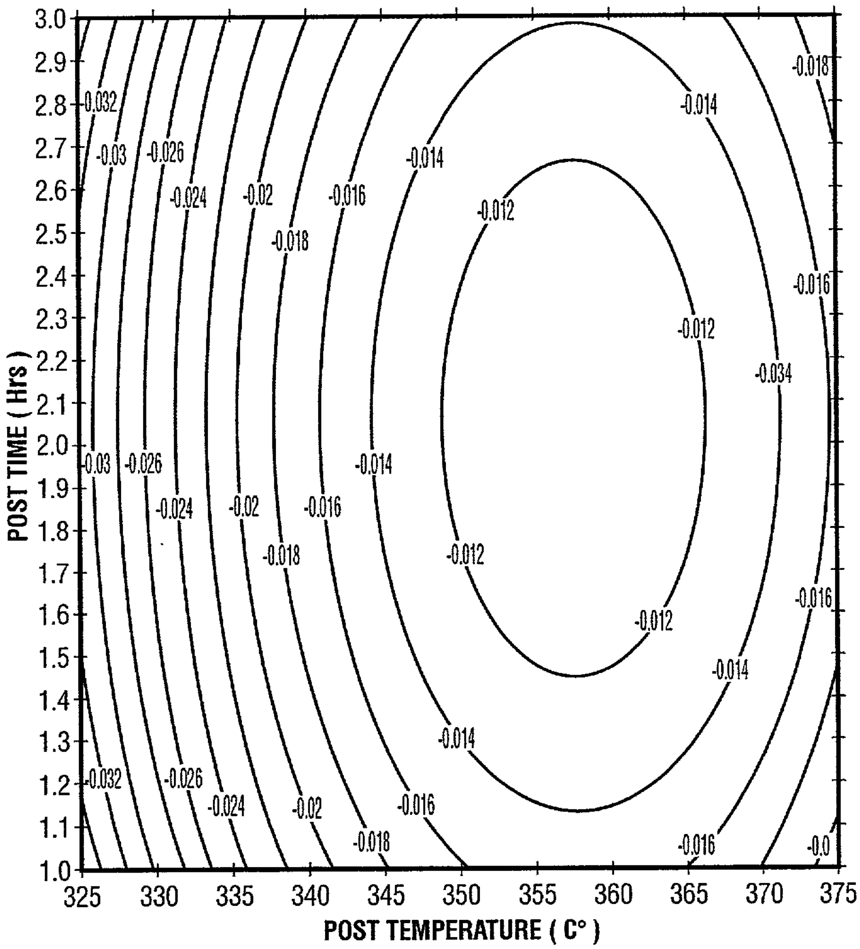


FIG. 17

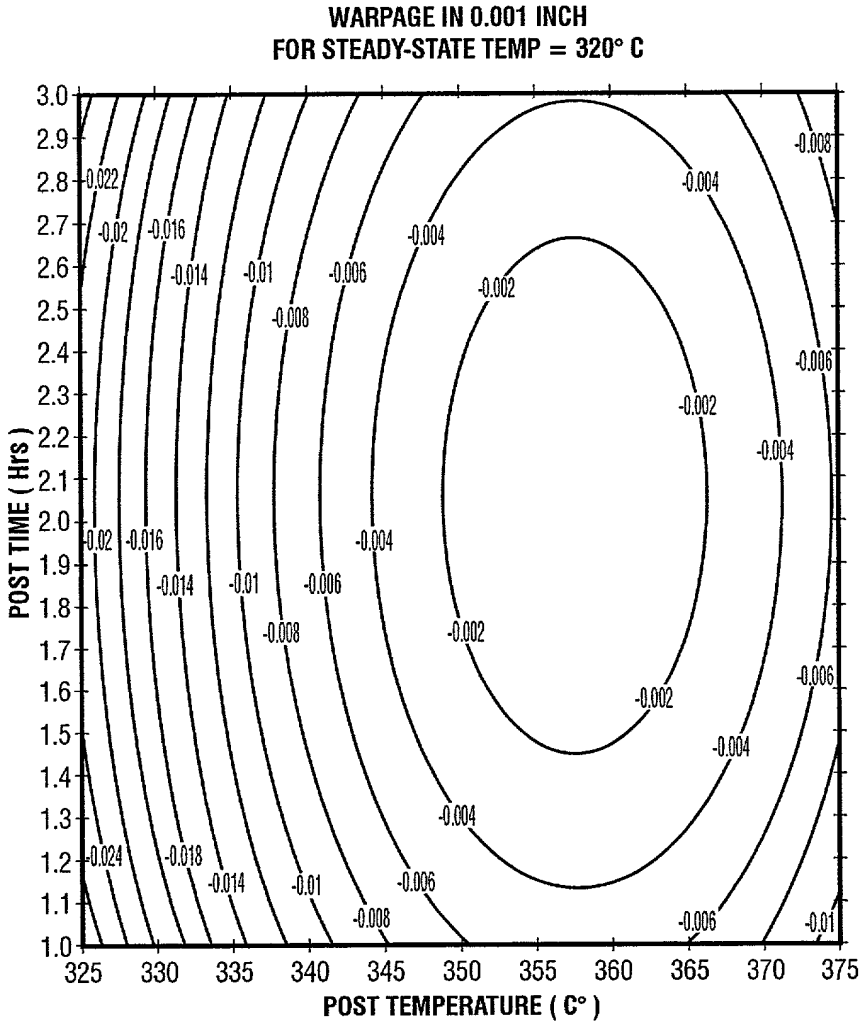
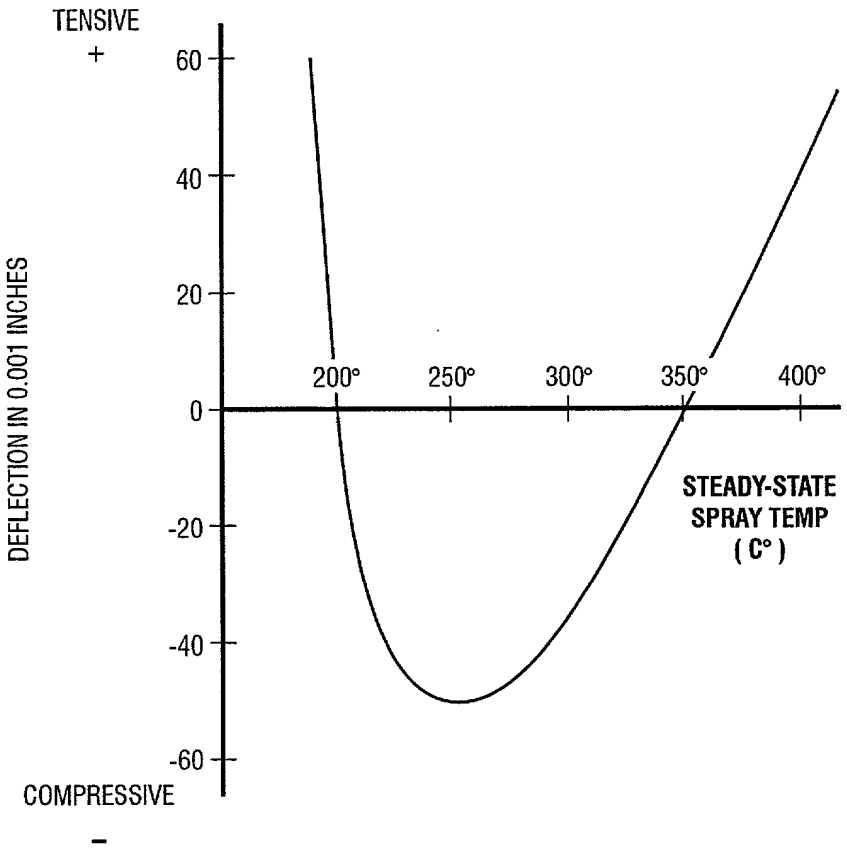

WARPAGE IN 0.001 INCH
FOR STEADY-STATE TEMP = 320° C
POST TIME (Hrs)
POST TEMPERATURE (C°)
3.0
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
325
330
335
340
345
350
355
360
365
370
375
-0.022
-0.02
-0.016
-0.014
-0.01
-0.008
-0.006
-0.004
-0.002
-0.024
-0.018

FIG. 18



WARPAGE (OUT OF FLATNESS) OF SPRAYED METALLIC PLATE VS. STEADY STATE SPRAY TEMPERATURE

FIG. 19